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ENEGATE HEMS

(Home Energy Management System)

For Smart Phone (iPhone 4/ 5/ 6 or higher)

User's Manual

Ver. 2.1 Aug. 20, 2015

ENEGATE

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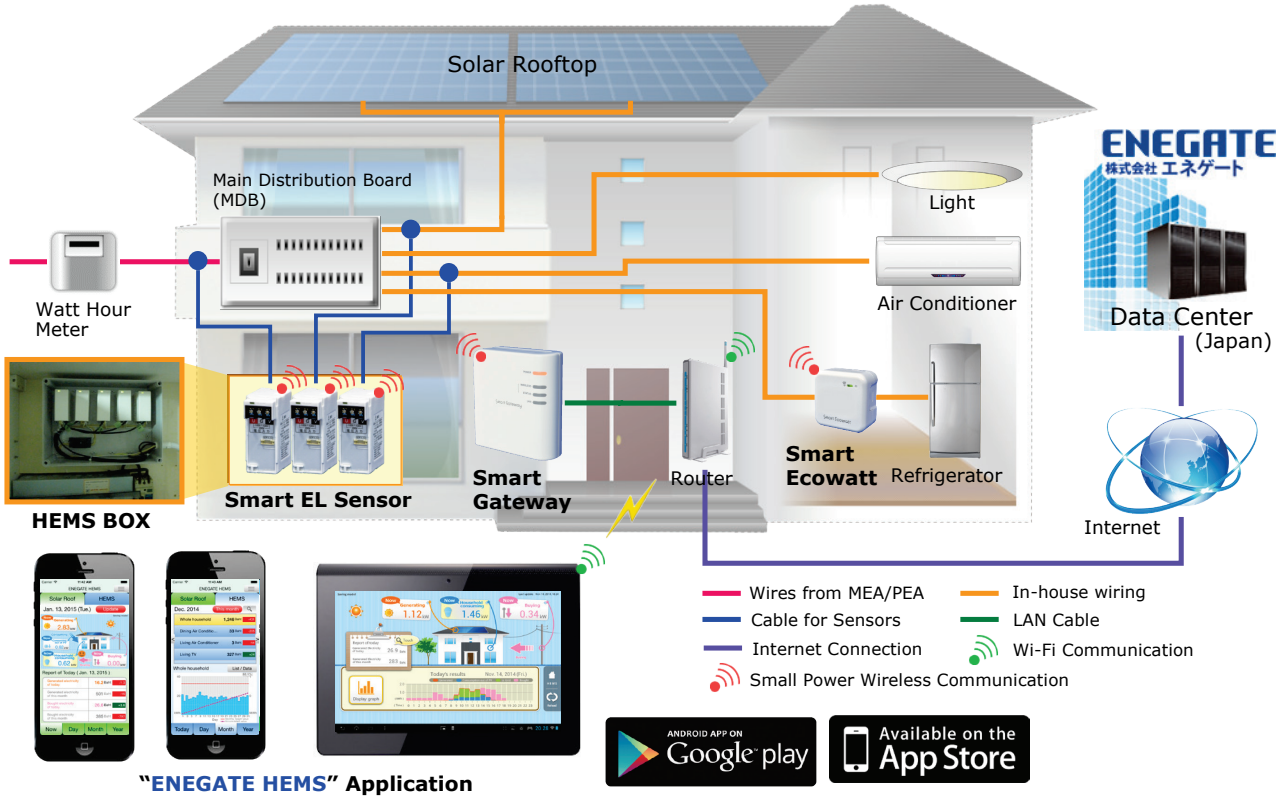
Preface

This manual provides useful information when you monitor HEMS display on your smart phone (iPhone).



Terms of Use

ENEGATE HEMS app only applies to ENEGATE HEMS.

ENEGATE HEMS app can be installed to the smart phone (iPhone) with;

Smart Phone	iPhone 4 / 5 / 5s / 6 **
OS :	iOS and later

** This application is only for iPhones or iPods, that's why we optimized the layout for the iPhones, but not for iPads.

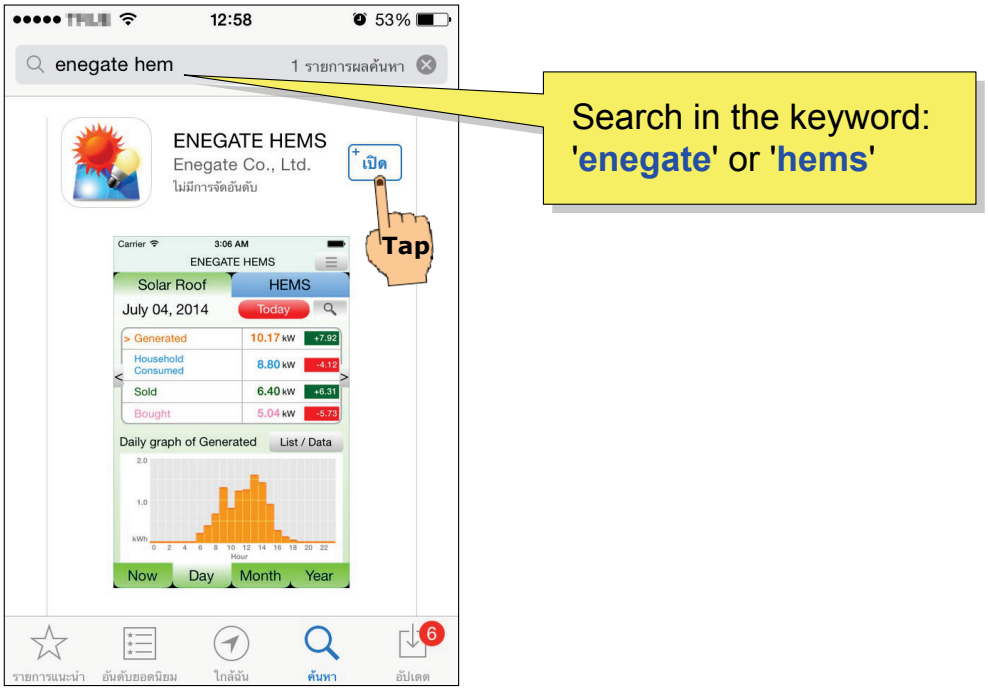
NOTE : ENEGATE HEMS app will be revised without prior notification.

1. Downloading and Installing ENEGATE HEMS app

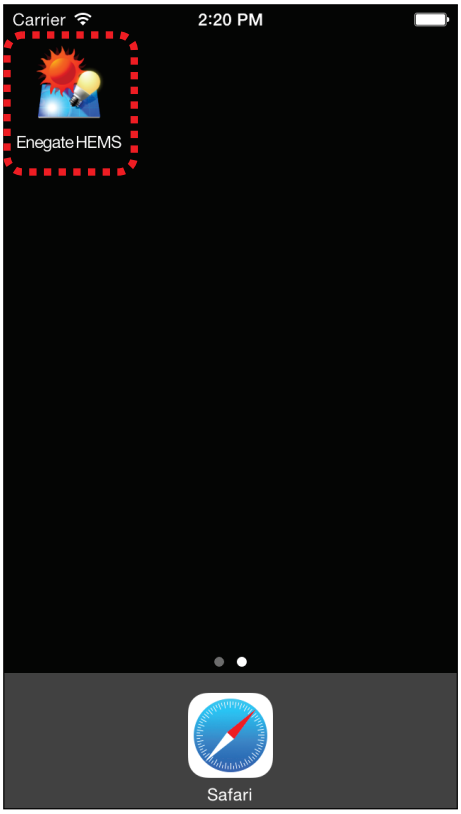
The customer is able to get the ENEGATE HEMS app from App Store.

Procedure

[1] Search with "enegate" or "hems" and install ENEGATE HEMS app through Apple store.



[2] You can see the "Enegate HEMS" icon on the home screen.

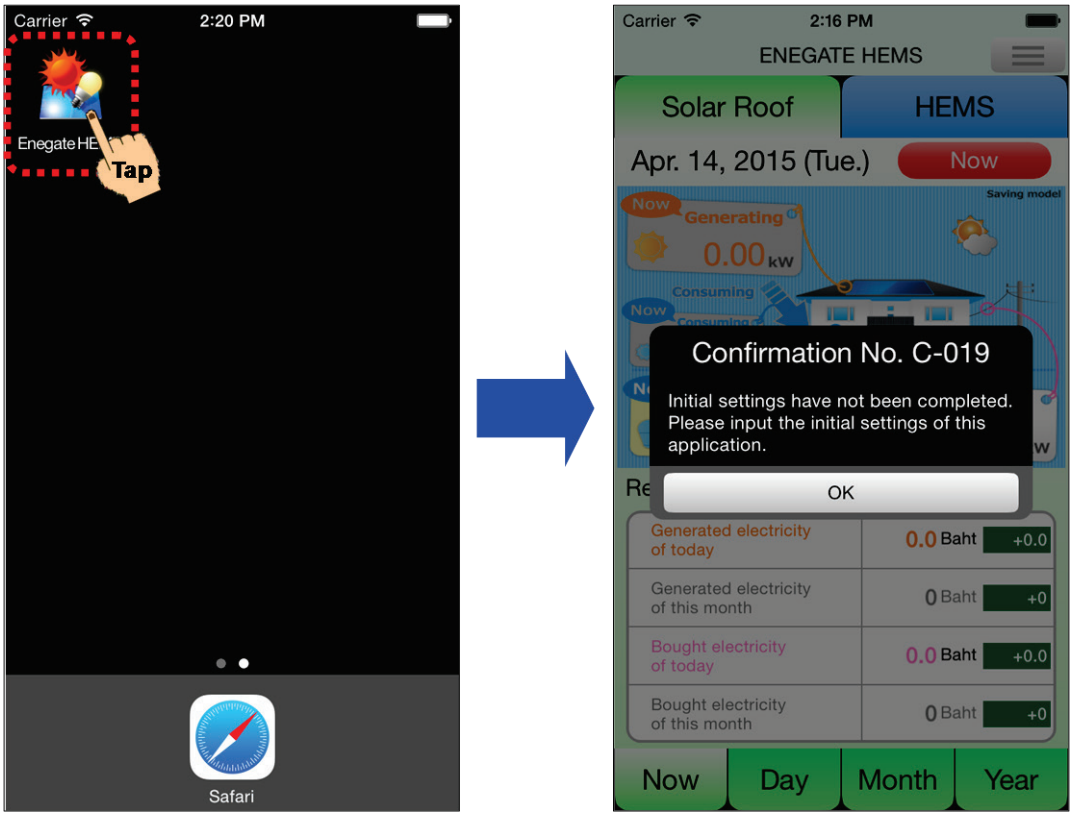


2. Initial setting

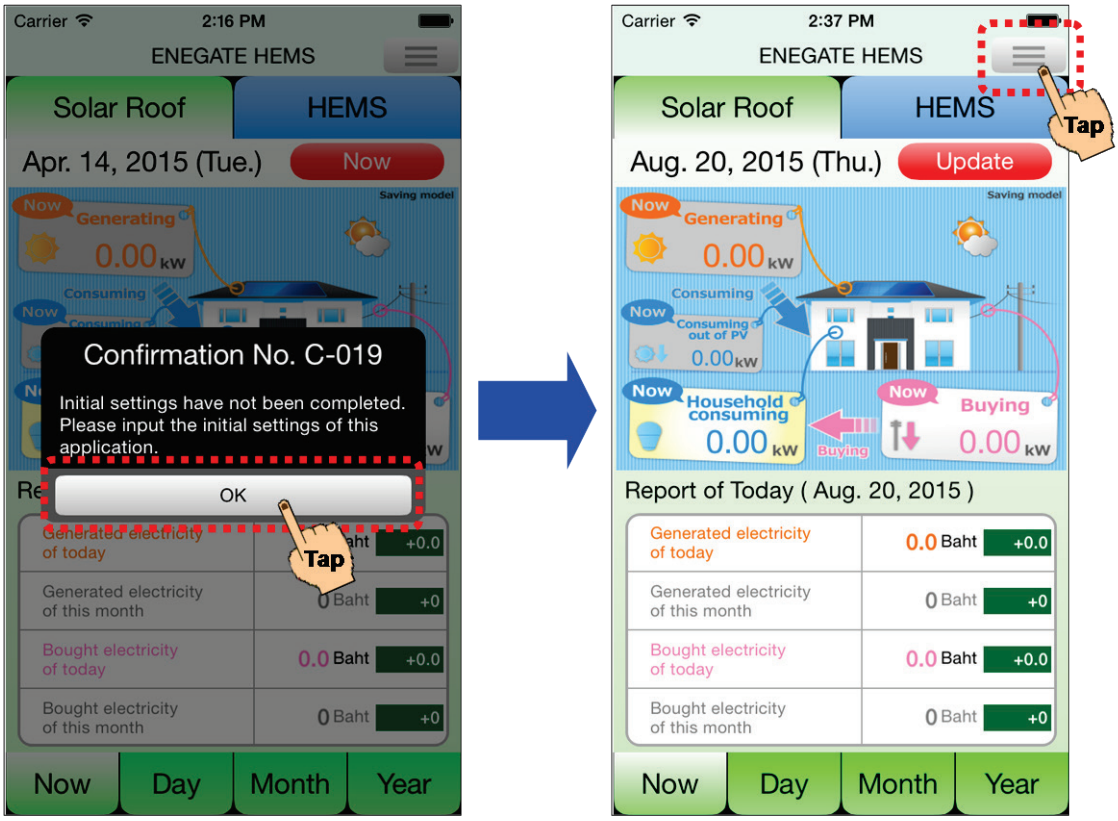
Procedure

This procedure is supposed to be assisted by the HEMS installation engineer.

[1] Start ENEGATE HEMS app by tapping "Enegate HEMS" icon.

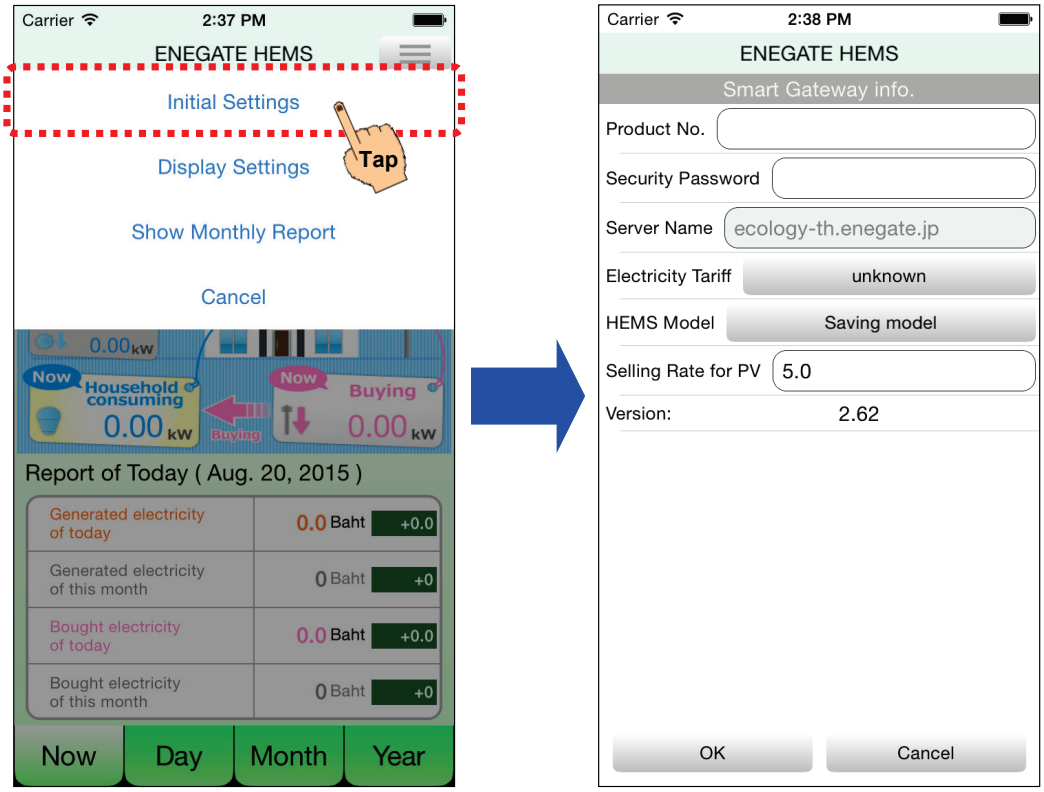


[2] Tap "OK" button and tap "Menu" button [☰] on the top left side of the home screen.

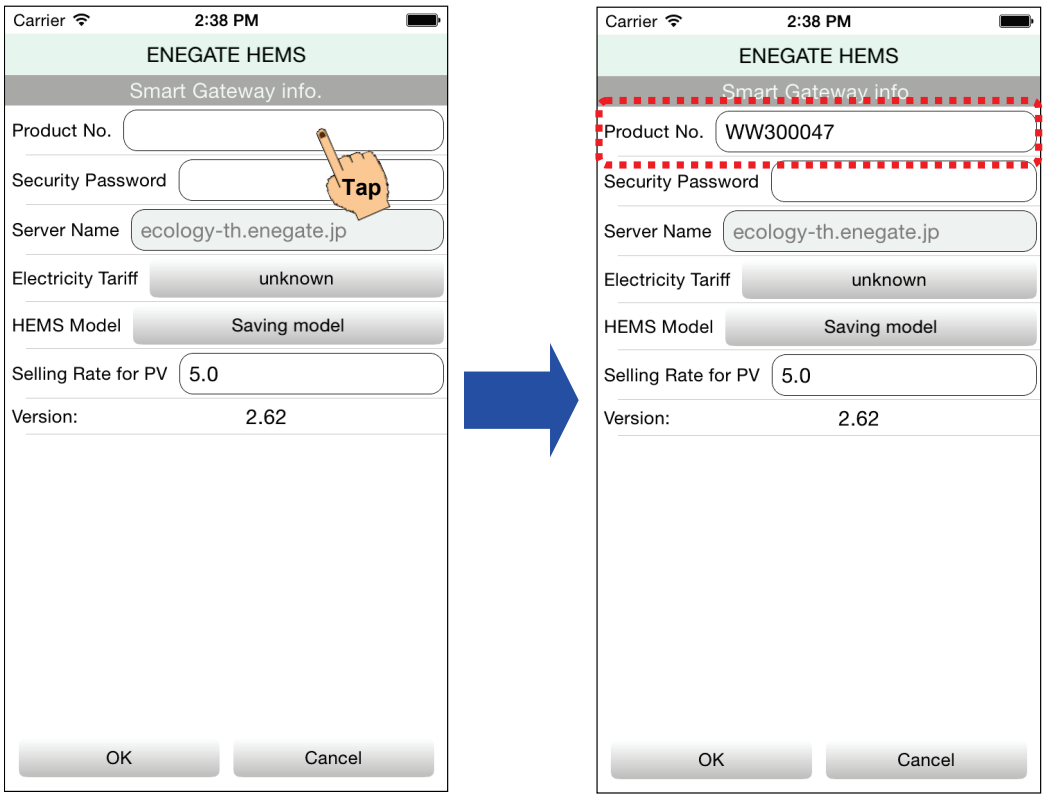


2. Initial setting

[3] Select "Initial Setting" menu.

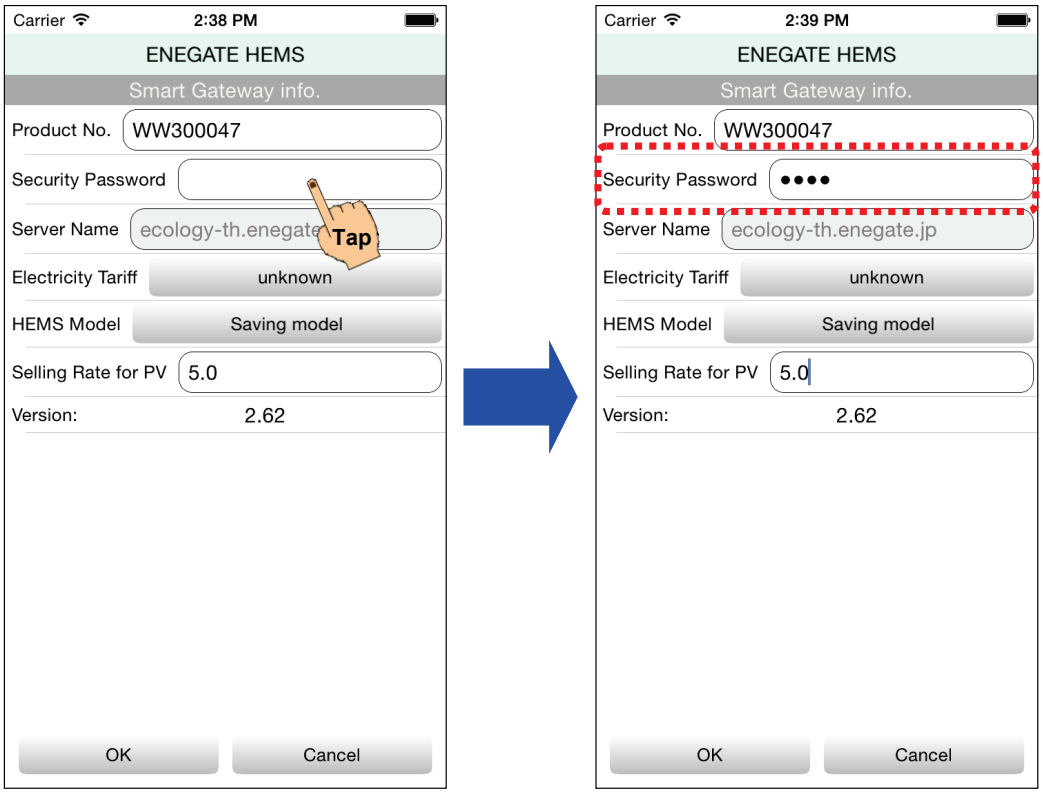


[4] Type "Product No." of your SGW as below.



2. Initial setting

[5] Type "Security Password" as below.

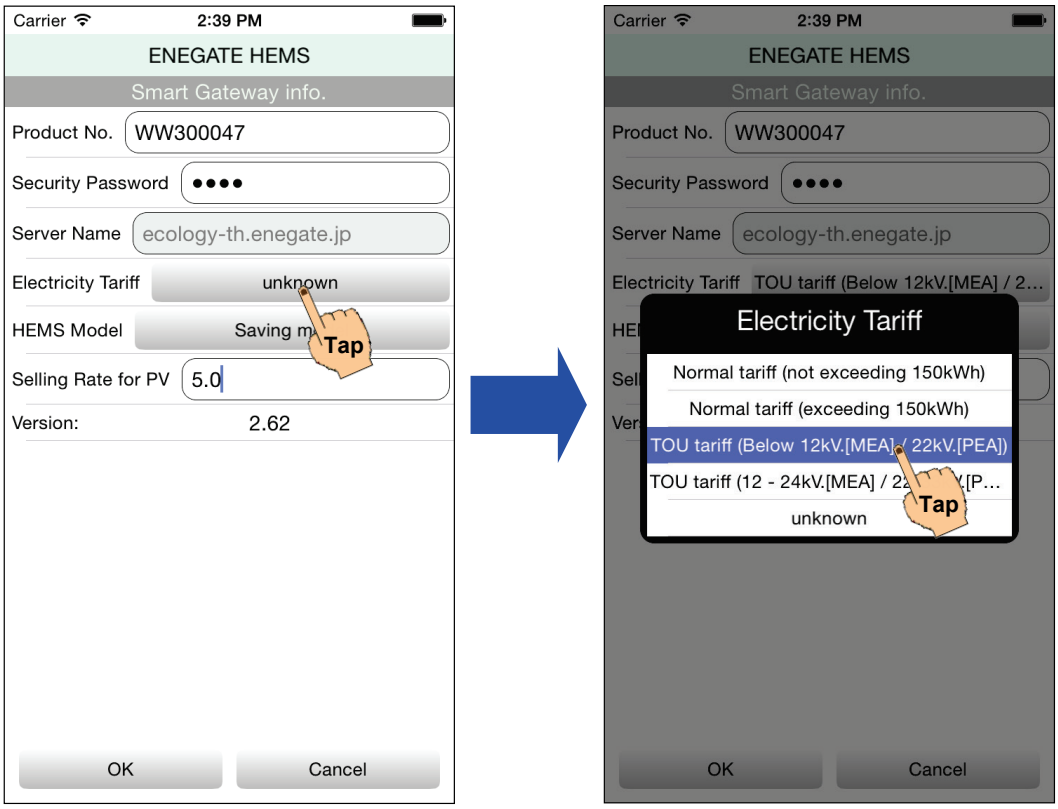


If you want to try "ENEGATE HEMS" app without the HEMS installation, you could use a demo account as below:

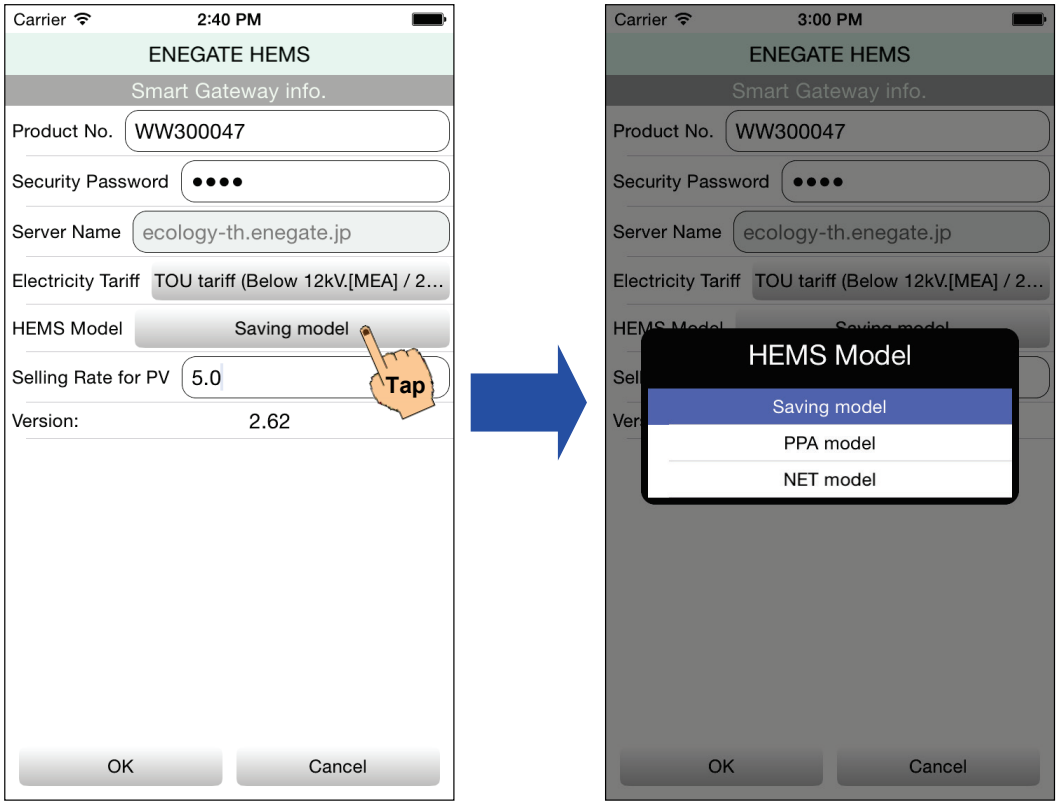
Product No. : **WW300047** Security Password: **test**

2. Initial setting

[6] If you want to change "Electricity Tariff", you could tap the list and select the list item.



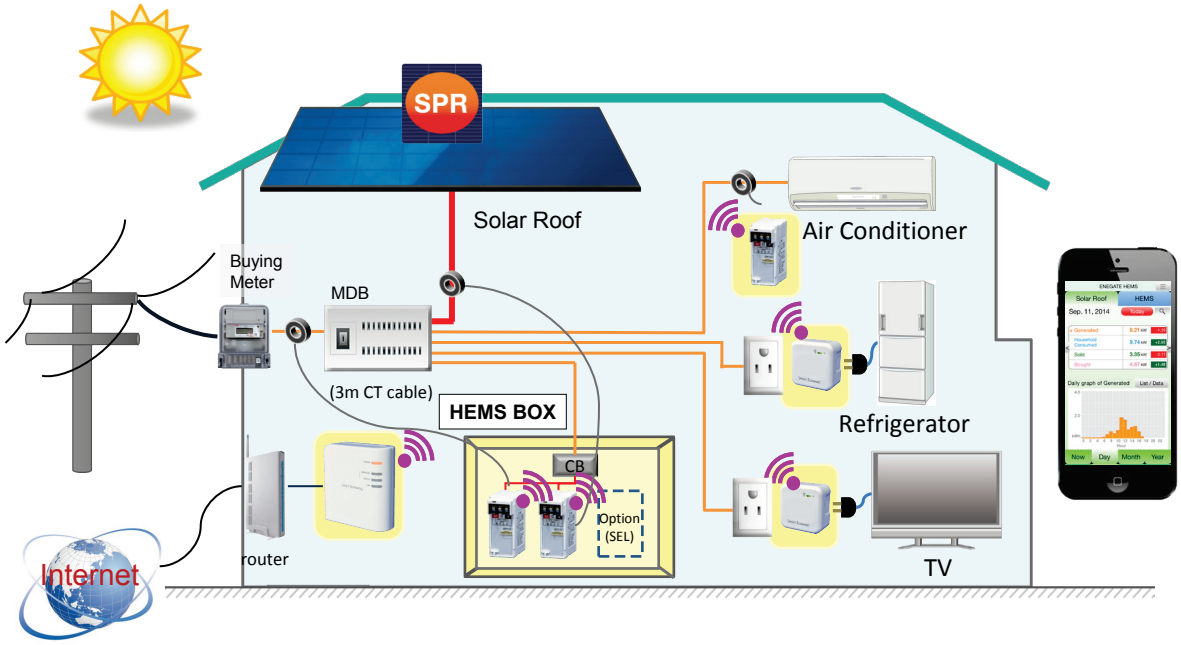
[7] If you want to change "HEMS Model", you could tap the list and select the list item.



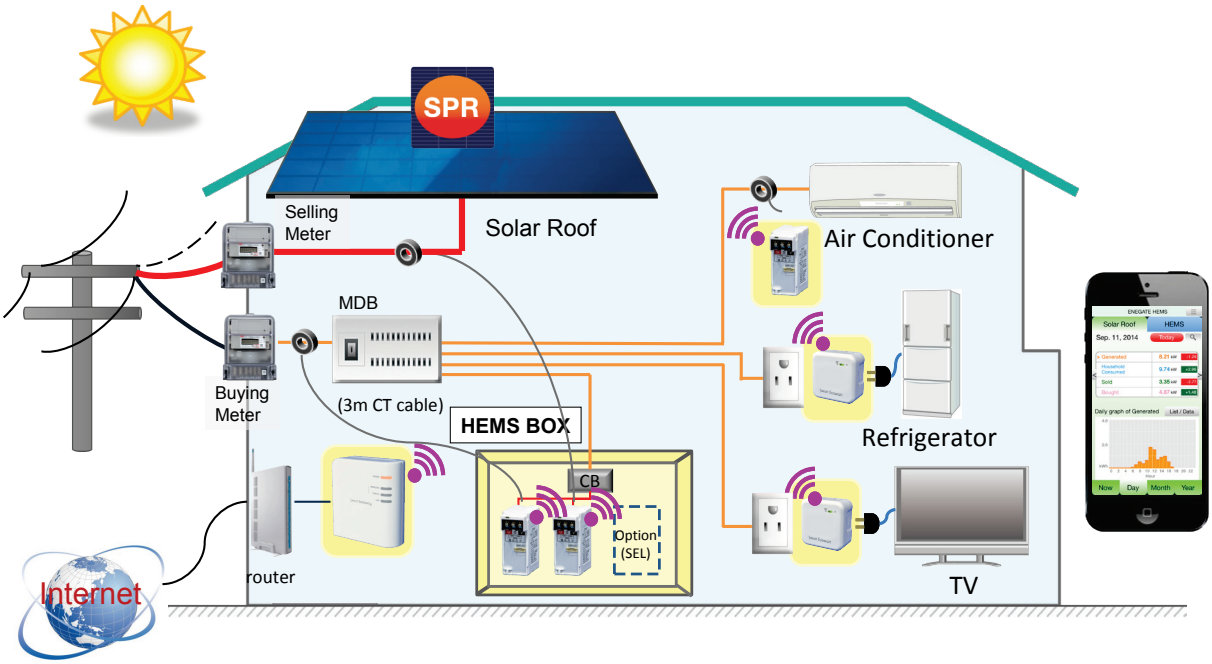
"Saving Model" and "PPA Model"

ENEGATE HEMS supports two models: **"Saving Model"** and **"PPA Model"**.
At "HEMS Model" section in initial setting, you should choose "Saving model" or "PPA model".

"**Saving Model**" is to save the electricity with PV generation.



"**PPA Model**" is Power Purchase Agreement for selling electricity.
It is necessary for you to apply for the electric company to sell electricity.



2. Initial setting

[8] Tap "OK" button and Solar Roof screen will be appeared.

2. Initial setting

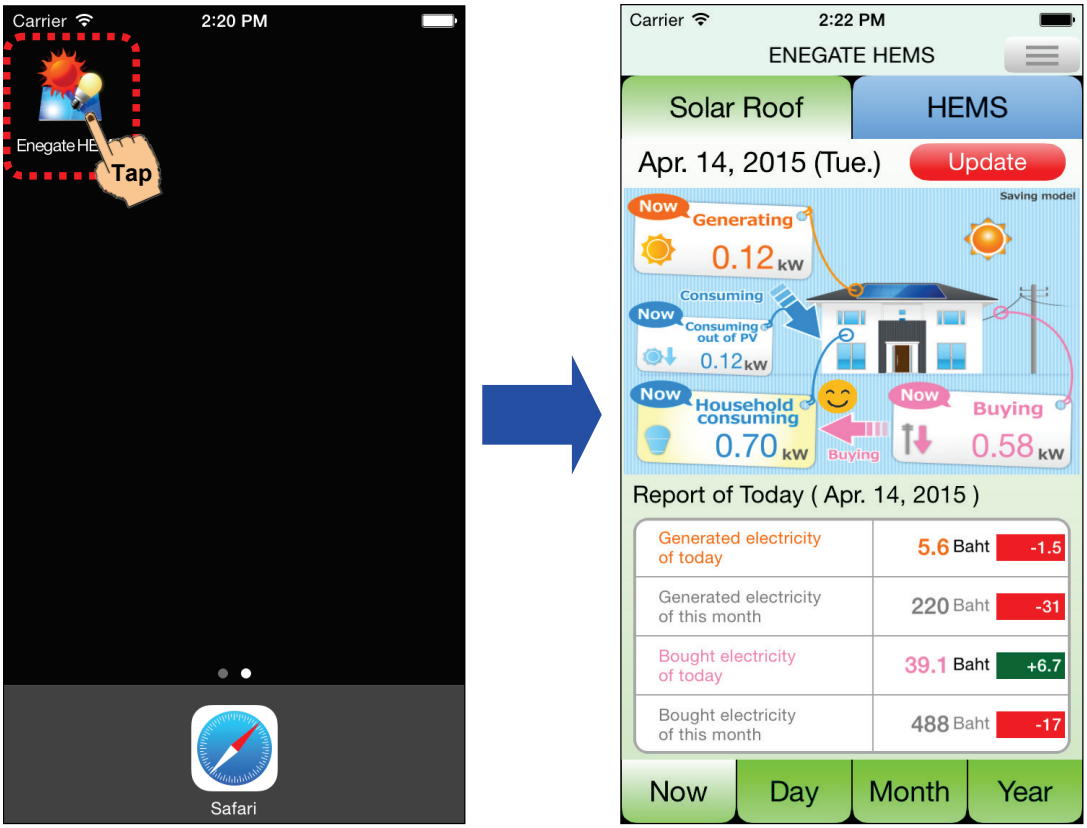
[9] If you want to display screen in Thai, tap “Menu” button and select "Display Setting" menu.

2. Initial setting

[10] Tap the "Default Language" list and select the list item. And then tap "OK" button on the bottom of the initial setting screen.

3. Starting HEMS app

[1] Start ENEGATE HEMS app, and then Solar Roof screen will be appeared.



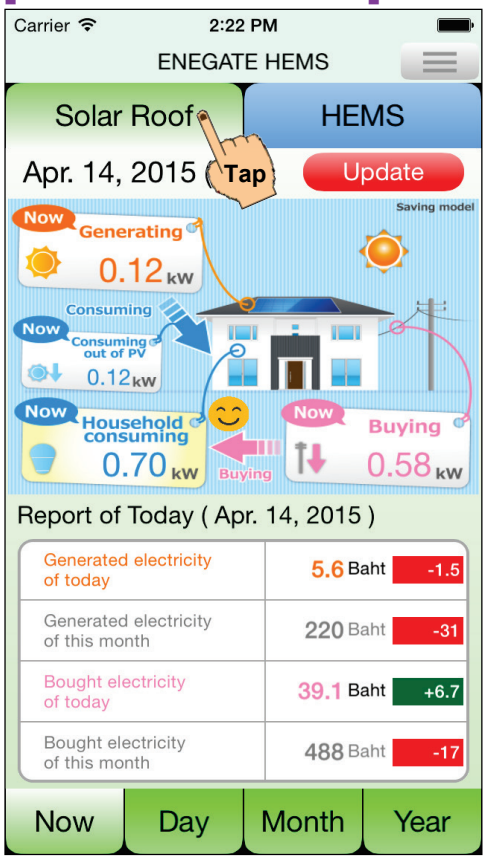
[2] If you want to suspend HEMS app, you could push Home button on your smart phone.

4. Overview HEMS app

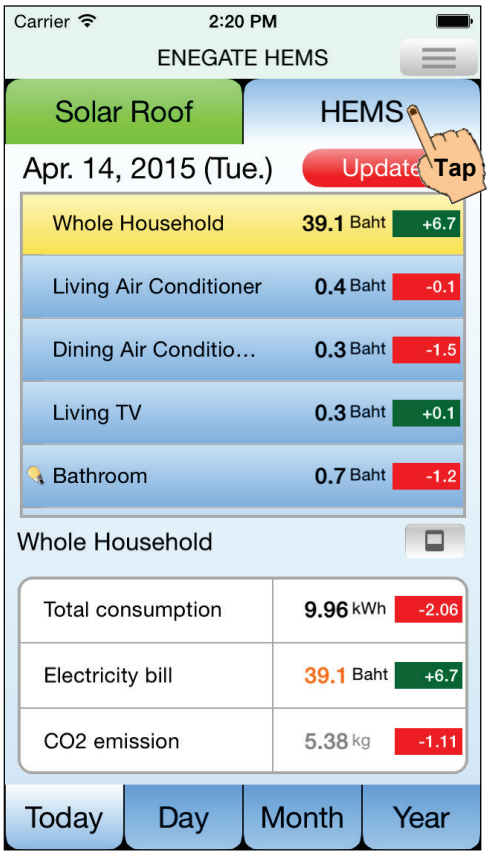
ENEGATE HEMS app has two major screen: "Solar Roof" screen and "HEMS" screen.

To switch these two screens, you can tap each tab button on the top of the screen.

[Solar Roof screen]



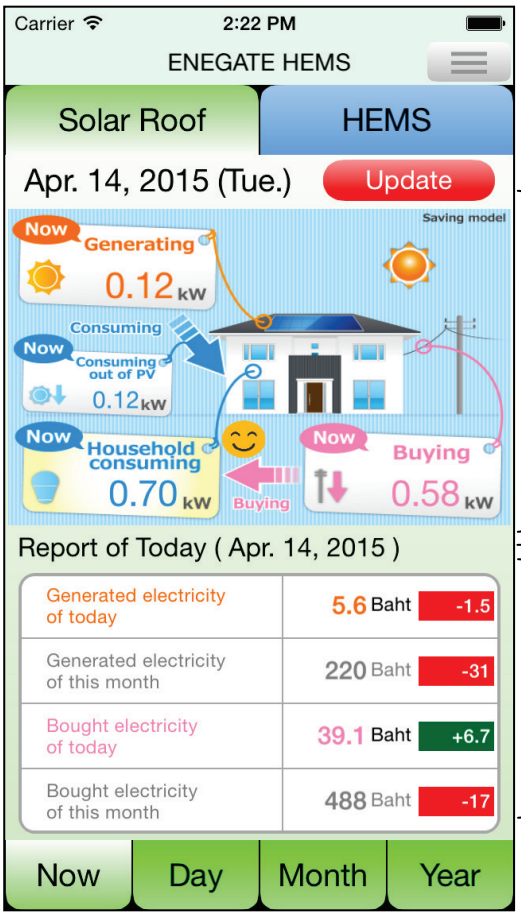
[HEMS screen]



5. Solar Roof screen

5-1 Overview

[Saving Model]



・Generating

Generation by solar roof (kW).

・Household Consuming

Electricity consumption in your home (kW).

・Buying

Bought electricity from your electric company (kW).

・Consuming out of PV

Electricity consumption from solar roof(PV) (kW).

・(Smile icon)

This icon indicate the degree of electricity saving

・Generated electricity

Today's accumulated generation by solar roof (kWh).

・Consumed electricity out of PV

Today's accumulated electricity consumption from solar roof(PV) (kWh).

・Baht saving

Value of consumed electricity from PV (Baht).

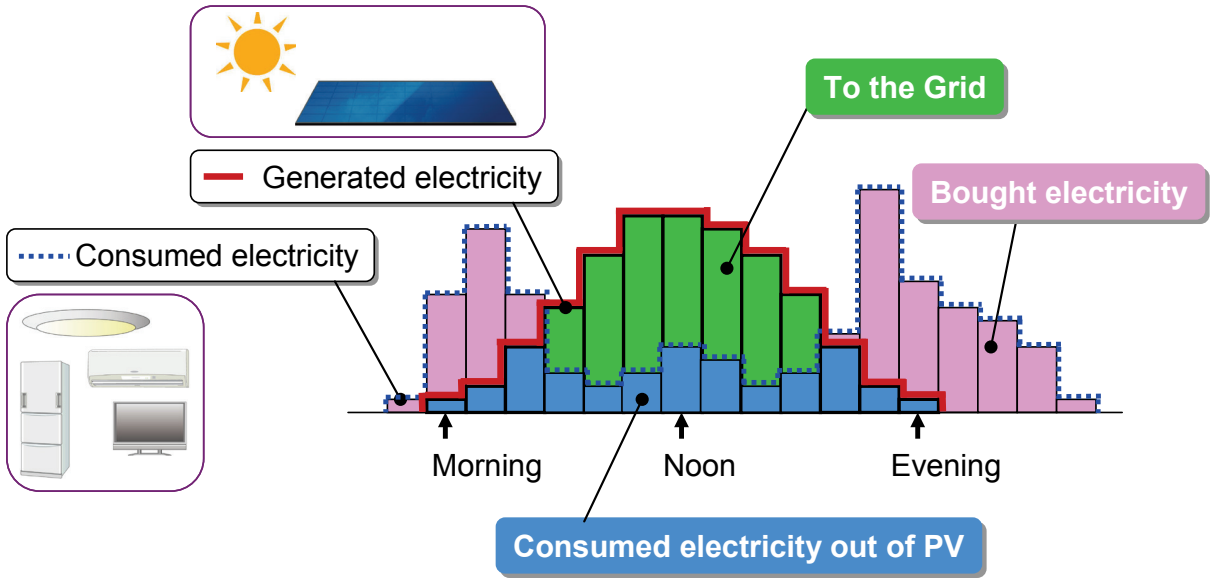
・CO2 reduction

Value of consumed electricity from PV (CO2).

Update button

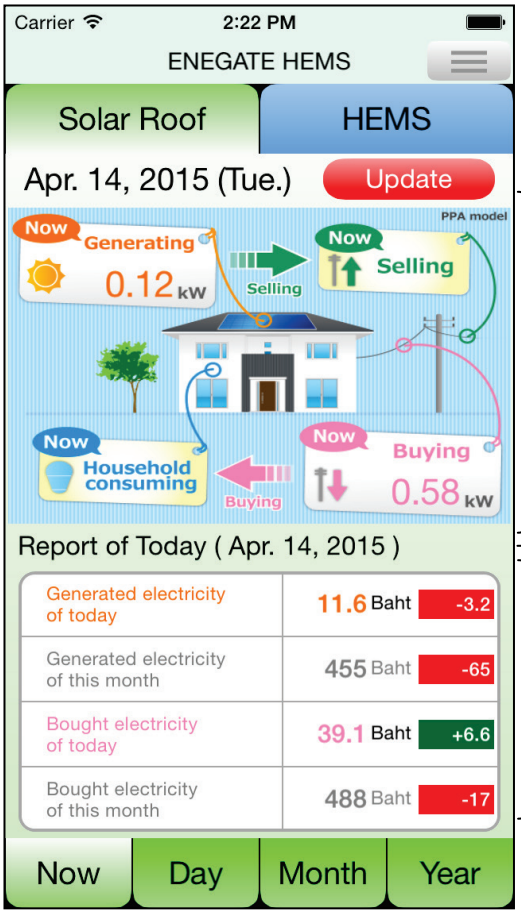
Update

Reload the data.



5. Solar Roof screen

[PPA Model]



・Generating

Generation by solar roof (kW).

・Household Consuming

Electricity consumption in your home (kW).

・Selling

Sold electricity to the electric company (kW).

・Buying

Bought electricity from the electric company (kW).

・Generated electricity of today

Today's accumulated generation by solar roof (kWh).

・Baht saving

Baht conversion value of generation electricity (Baht).

・Bought electricity of today

Today's accumulated electricity consumption(kWh).

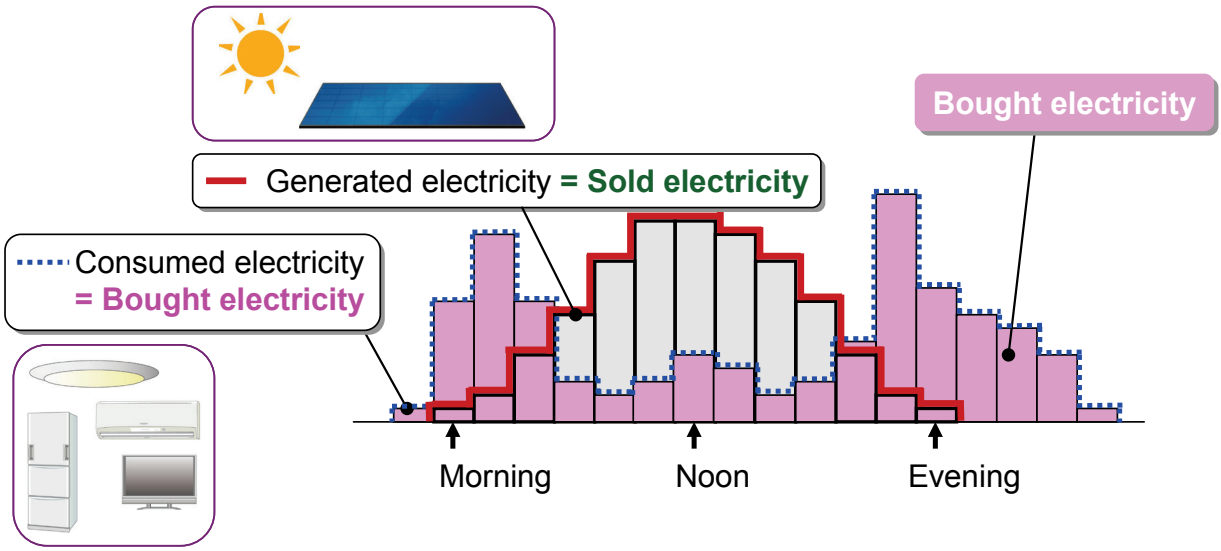
・Baht conversion

Baht conversion value of consumed electricity (Baht).

Update button

Update

Reload the data.

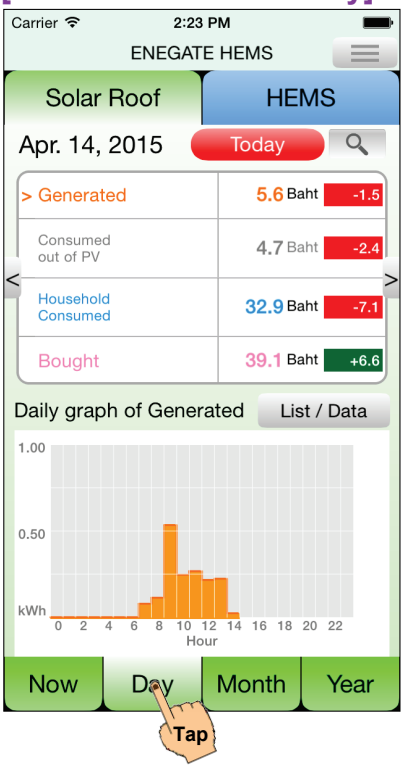


5. Solar Roof screen

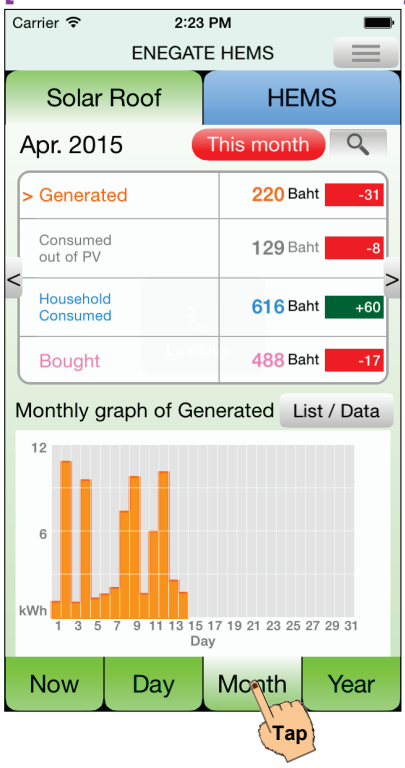
5-2 Display Graph

To switch screen for Solar Roof, you can tap each tab button on the bottom of the screen.

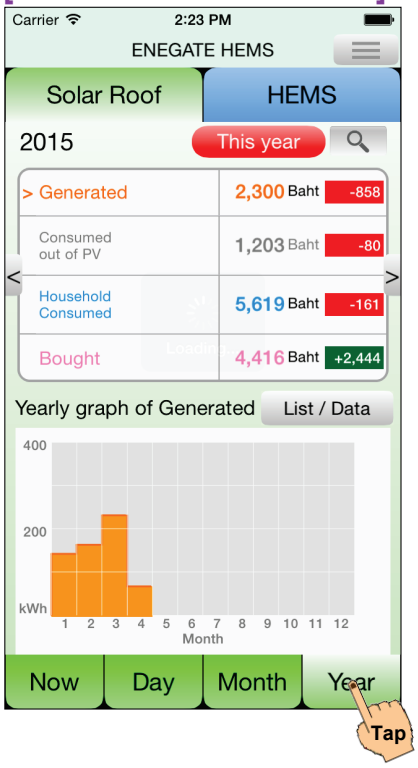
[Solar Roof screen / Day]



[Solar Roof screen / Month]



[Solar Roof screen / Year]



・Generated

(Day, Month, Year): Accumulated generation by solar roof (kWh).

・Household Consumed

(Day, Month, Year): Accumulated electricity consumption for household (kWh).

・Consumed out of PV

(Day, Month, Year): Accumulated consumption of electricity out of Solar Roof Generation (kWh).

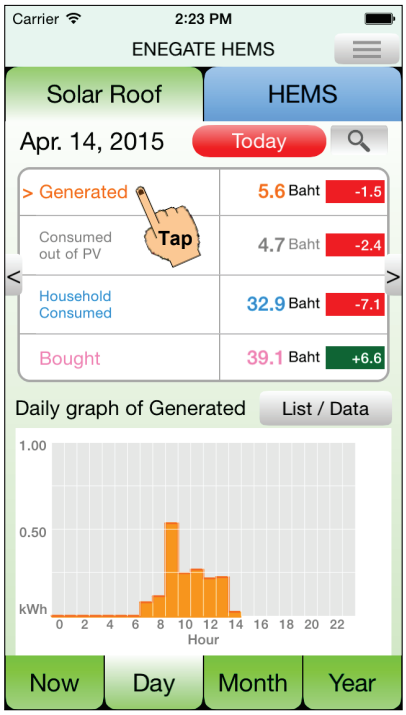
・Bought

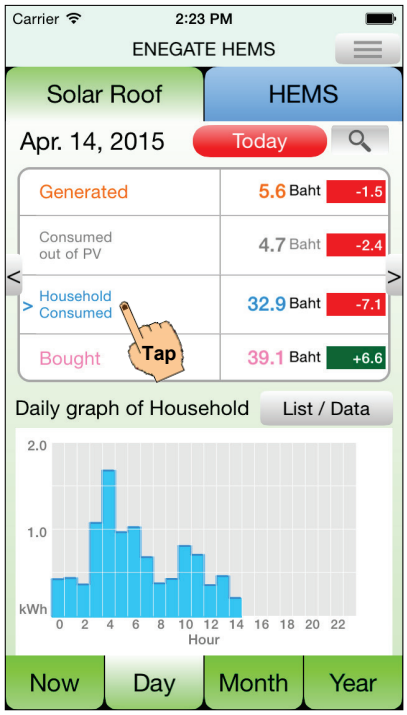
(Day, Month, Year): Accumulated bought electricity from your electric company (kWh).

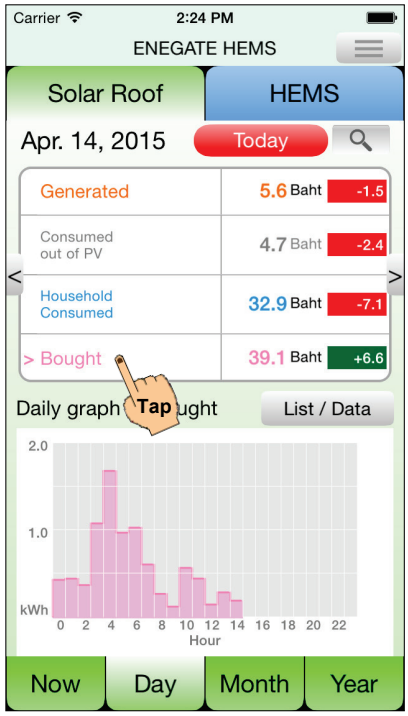
5. Solar Roof screen

5-3 Switch the graph

To switch the graph, you can tap each row of the upper table.

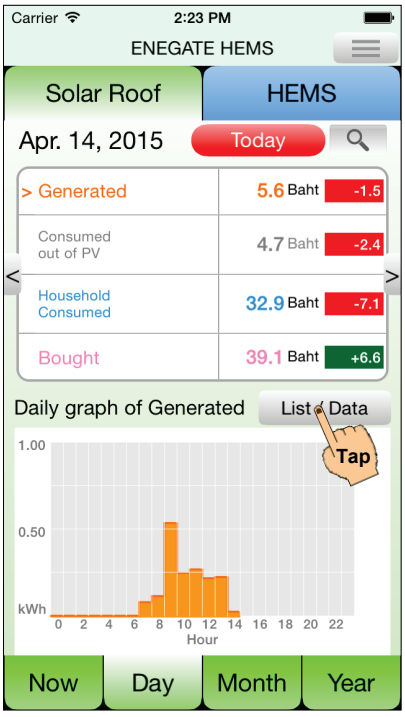


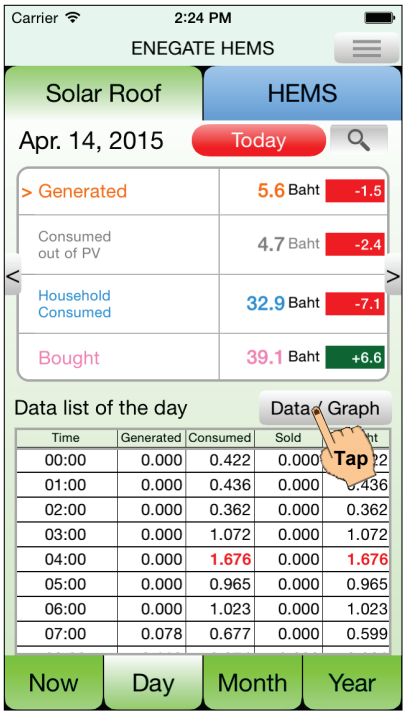


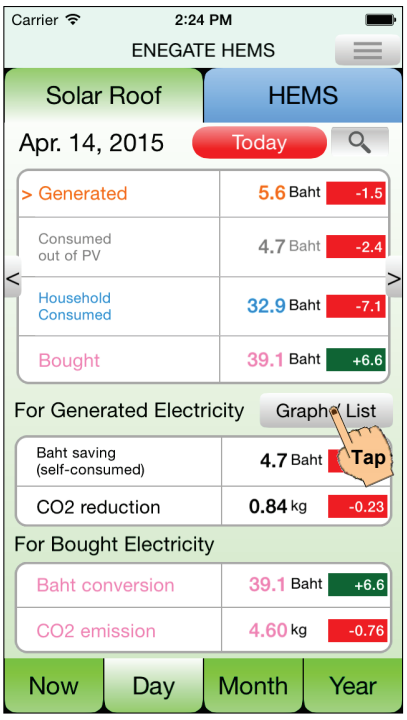


5-4 Display on table / Display in detail

To display on table or display in detail, you can tap button on the middle of the screen.





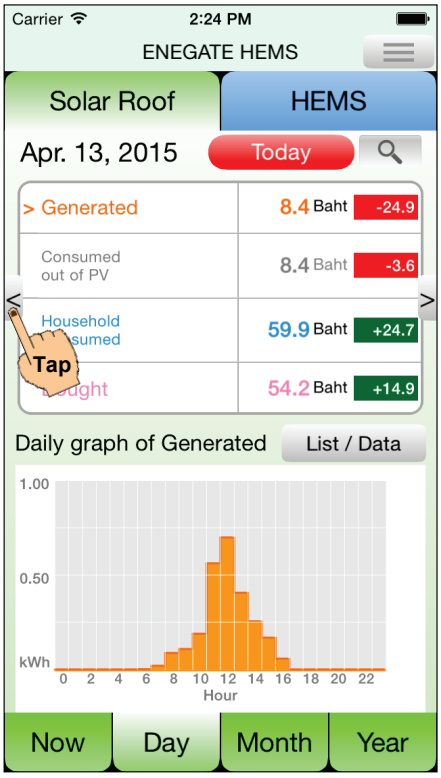


5. Solar Roof screen

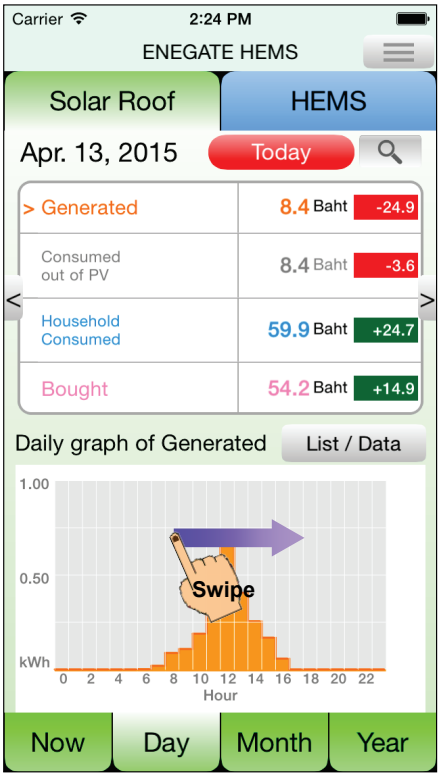
5-5 Change date to display data

3 way to back dating Solar Roof screen display.

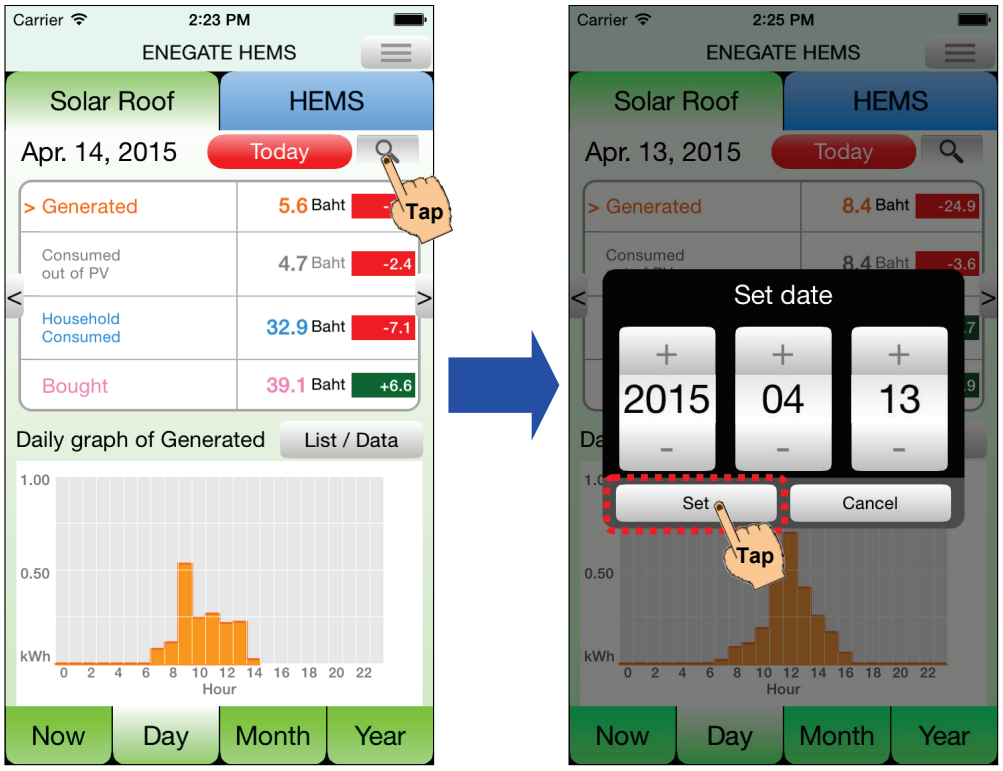
[1] Tap "<" button.



[2] Swipe on the graph

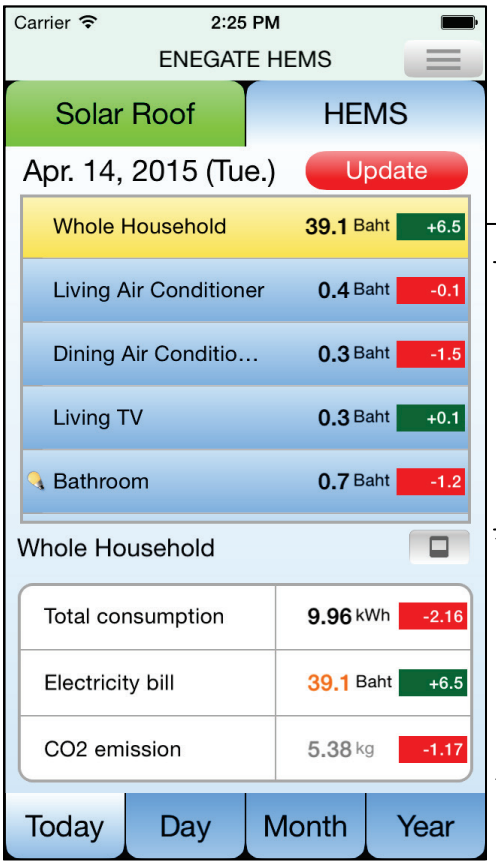


[3] Tap search date button. Choose date and then tap "Set" button.



6. HEMS screen

6-1 Overview



・Whole household

Today's household electricity consumption (kWh).

Today's electricity of each items (kWh).

・Total consumption

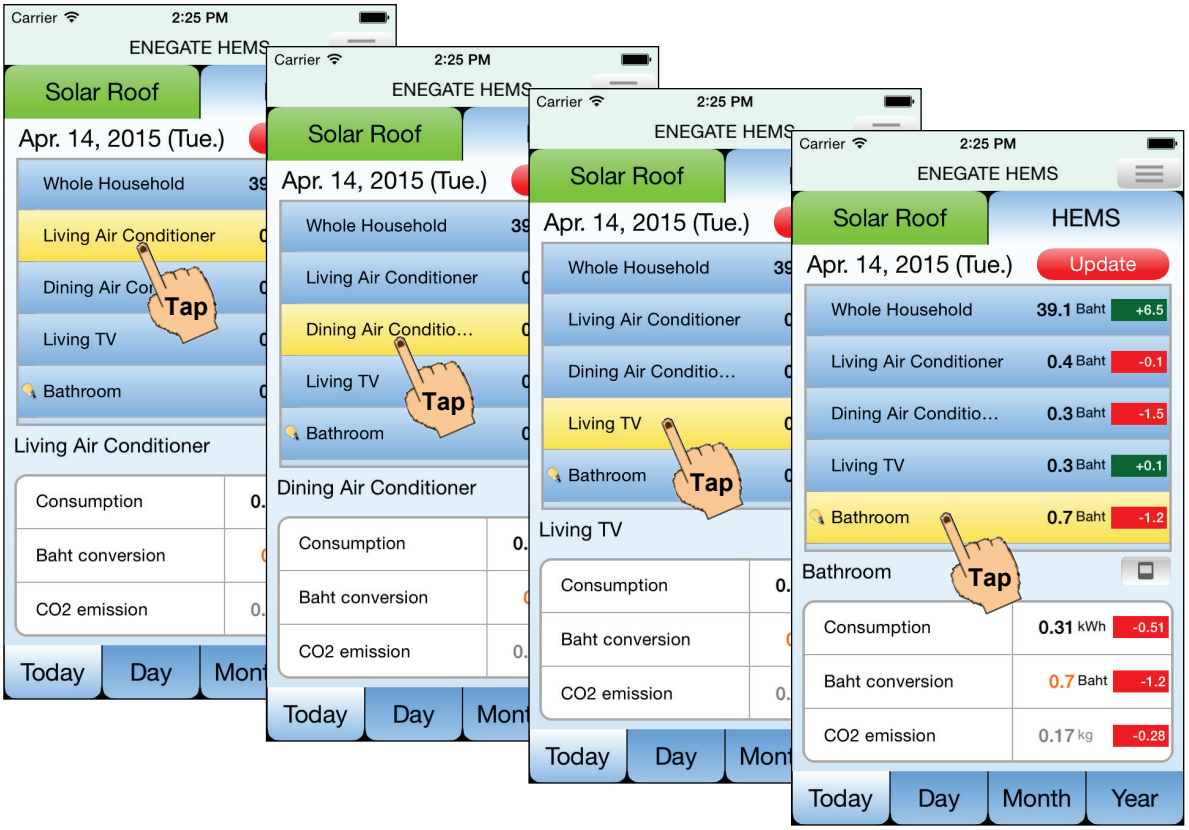
Today's total consumption of the household (kWh).

・Electricity bill

Today's bought electricity of the household (Baht).

・CO2 emission from bought electricity

Today's CO2 emission from the bought electricity (kg).

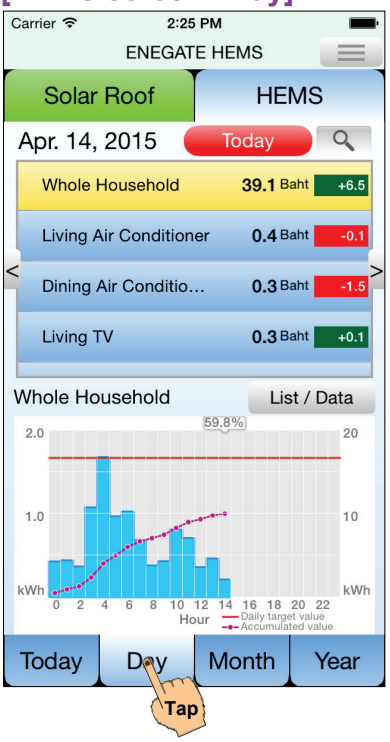


6. HEMS screen

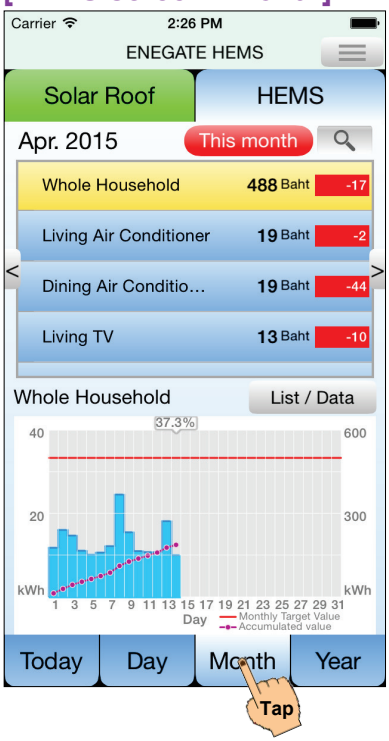
6-2 Display Graph

To switch screen for HEMS, you can tap each tab button on the bottom of the screen.

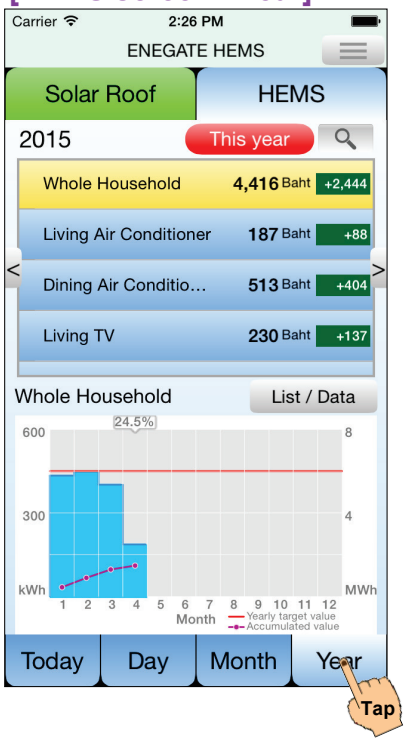
[HEMS screen / Day]



[HEMS screen / Month]

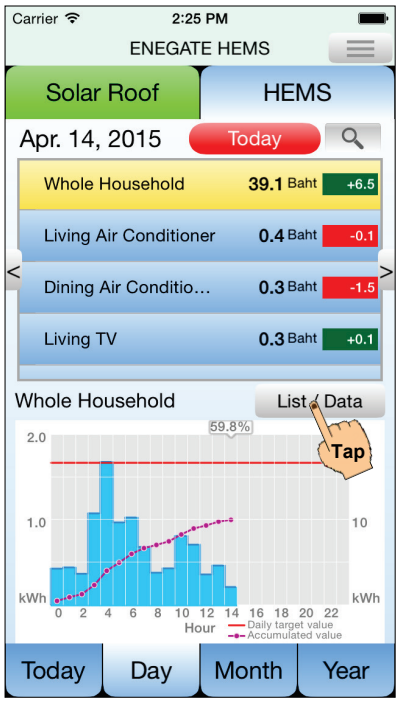


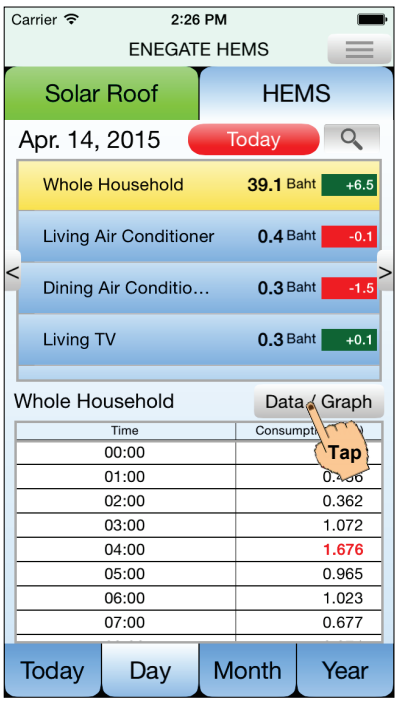
[HEMS screen / Year]

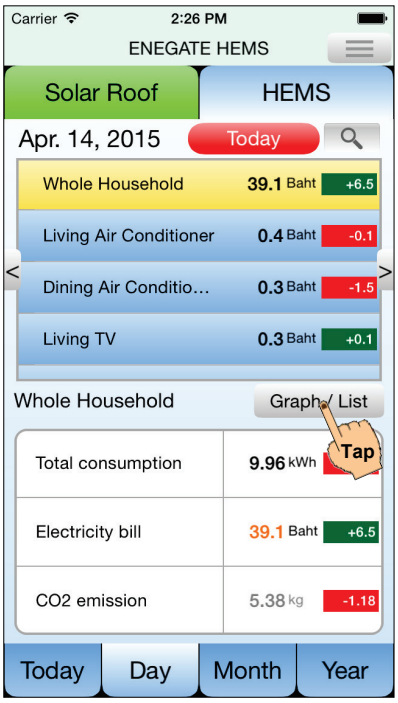


6-3 Display on table / Display in detail

To display on table or display in detail, you can tap button on the middle of the screen.





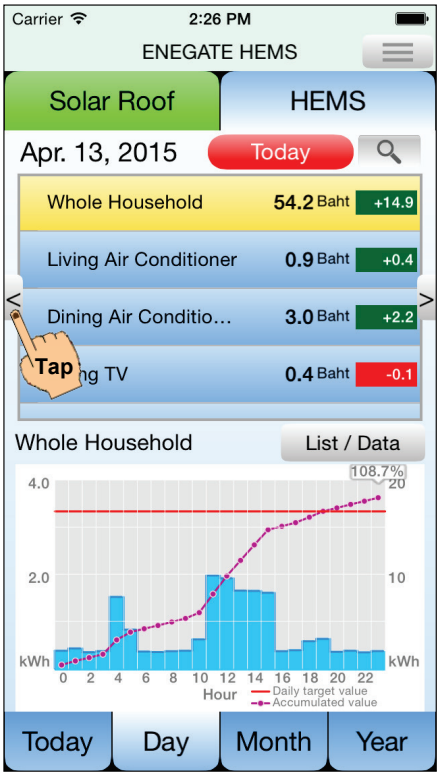


6. HEMS screen

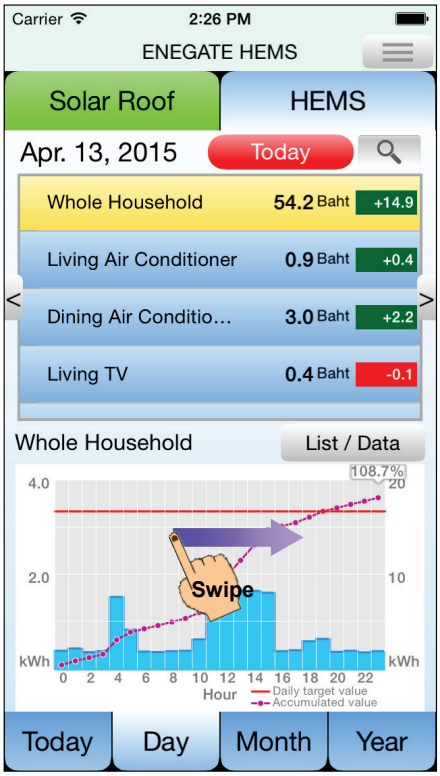
6-4 Change date to display data

3 way to back dating Solar Roof screen display.

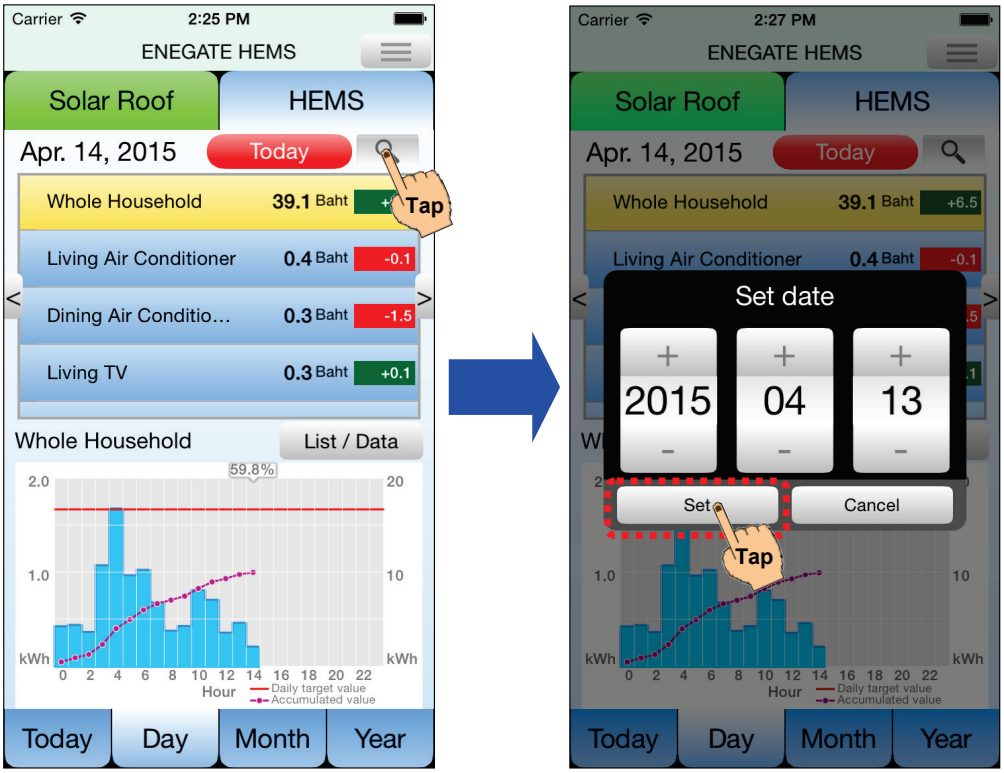
[1] Tap "<" (or ">") button.



[2] Swipe on the graph



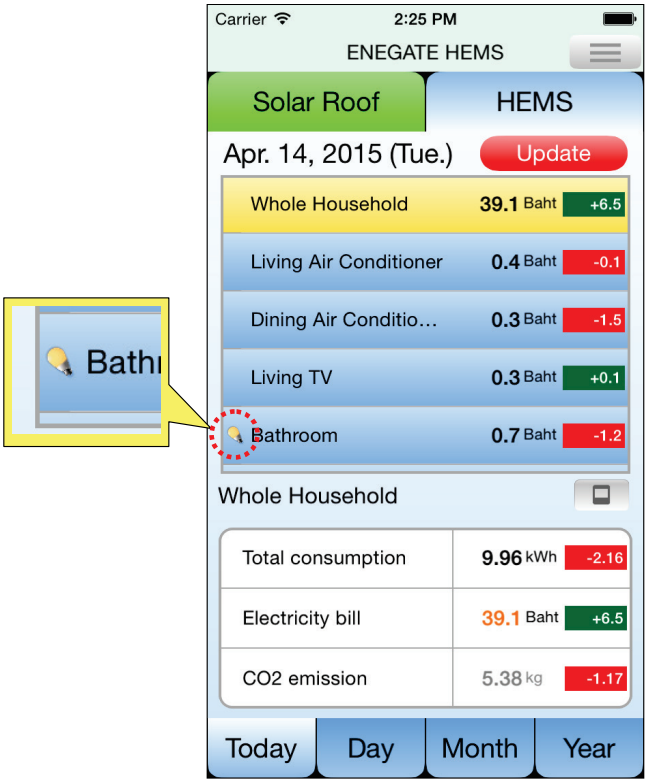
[3] Tap search date button. Choose date and then tap "Set" button.

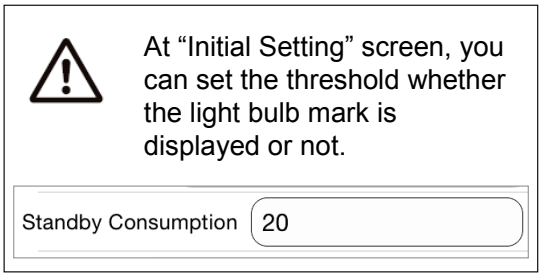


6. HEMS screen

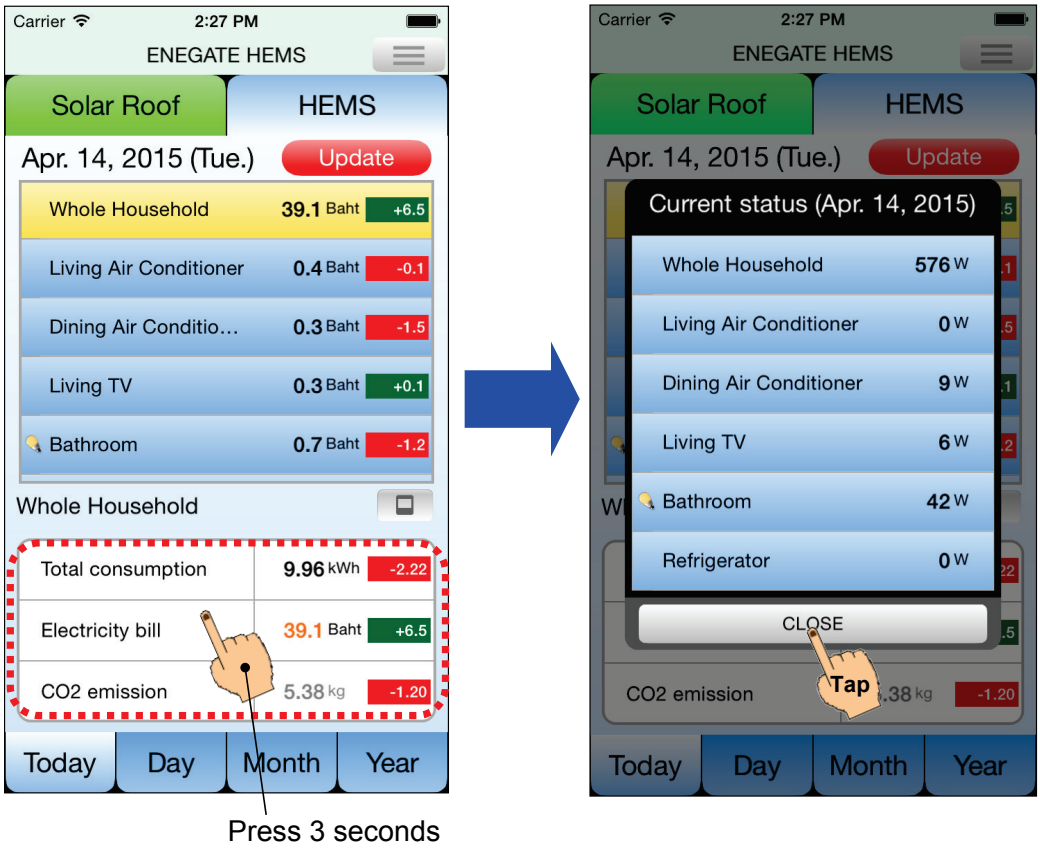
6-5 Confirm current consumption

Light bulb mark shows the appliance is turned “ON”.




At “Initial Setting” screen, you can set the threshold whether the light bulb mark is displayed or not.
Standby Consumption
20

To check current consumption of each appliance, please press the circled area for 3 seconds as below.



6. HEMS screen

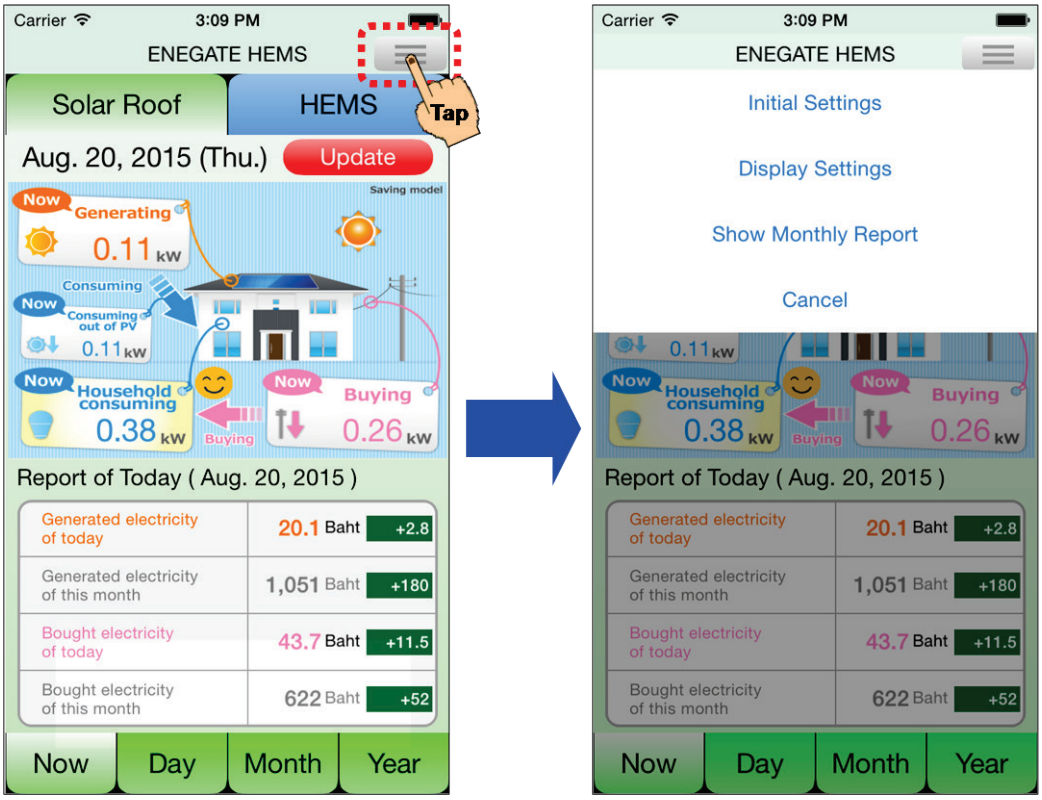
6-6 Set monthly target consumption for saving energy

To display total consumption and monthly target consumption on the graph screen, you can set the monthly target value on the "Device setting" screen.
Tap device setting button on the HEMS screen. After set "Monthly target value", tap "OK" button.

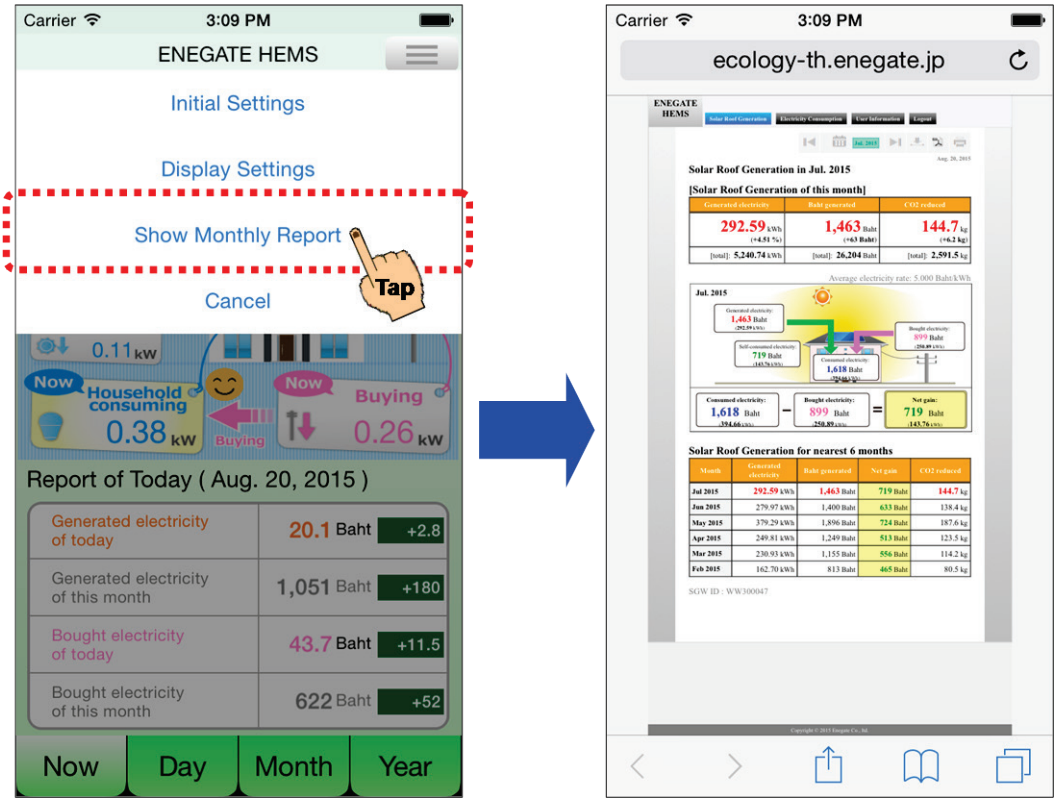
7. Displaying the HEMS report

This HEMS app can display HEMS monthly report on your smart phone.

[1] Push "Menu" button [ ] on the top left side of the home screen.

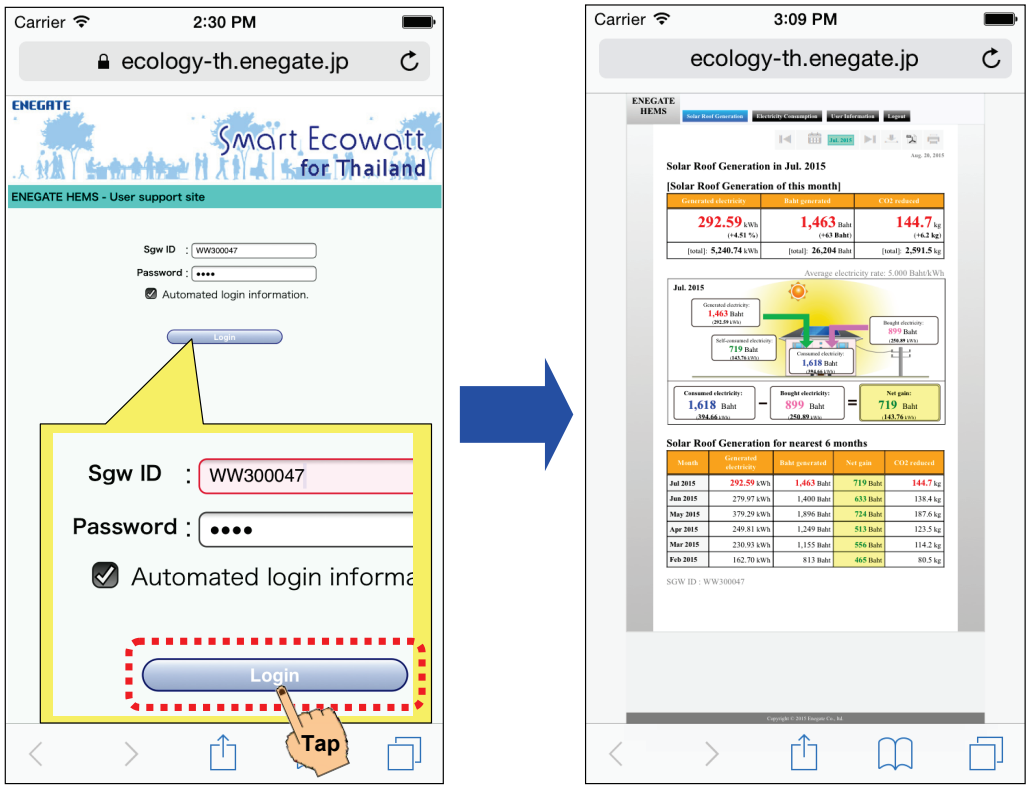


[2] Tap "Show Monthly Report" button.



7. Displaying the HEMS report

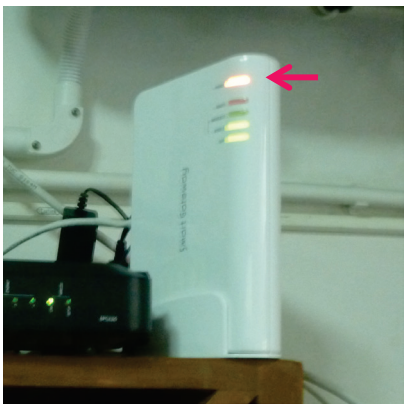
[3] If Login screen is displayed, you could type "Product No." of your SGW and "Security Password", and then tap "Login" button.



Q1. All the HEMS numerical data show "0.00kW" or " kW"

A1. This data measured by HEMS sensors had not reached the server.

・Confirm the SGW is in operation as the picture below shows.



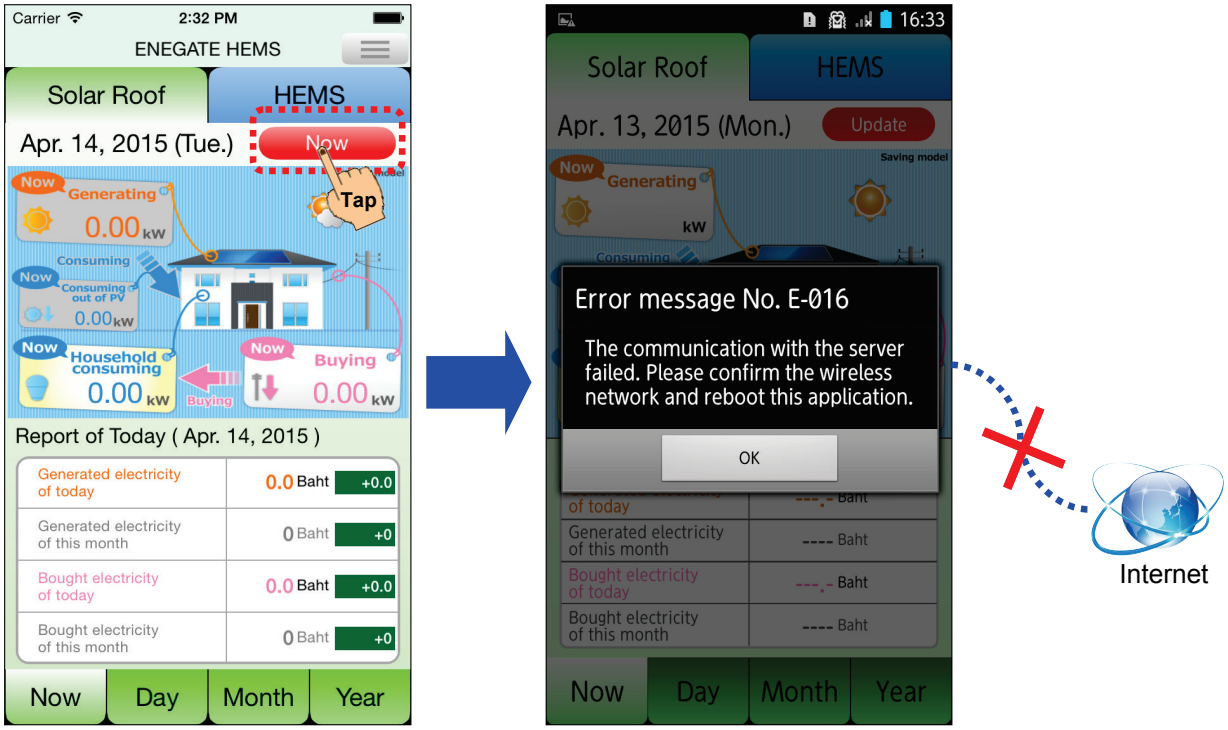
・in case the SGW is not operated when correctly connected to the outlet via AC adaptor, plug off and reconnect the SGW.

・Confirm your internet router is in operational status.

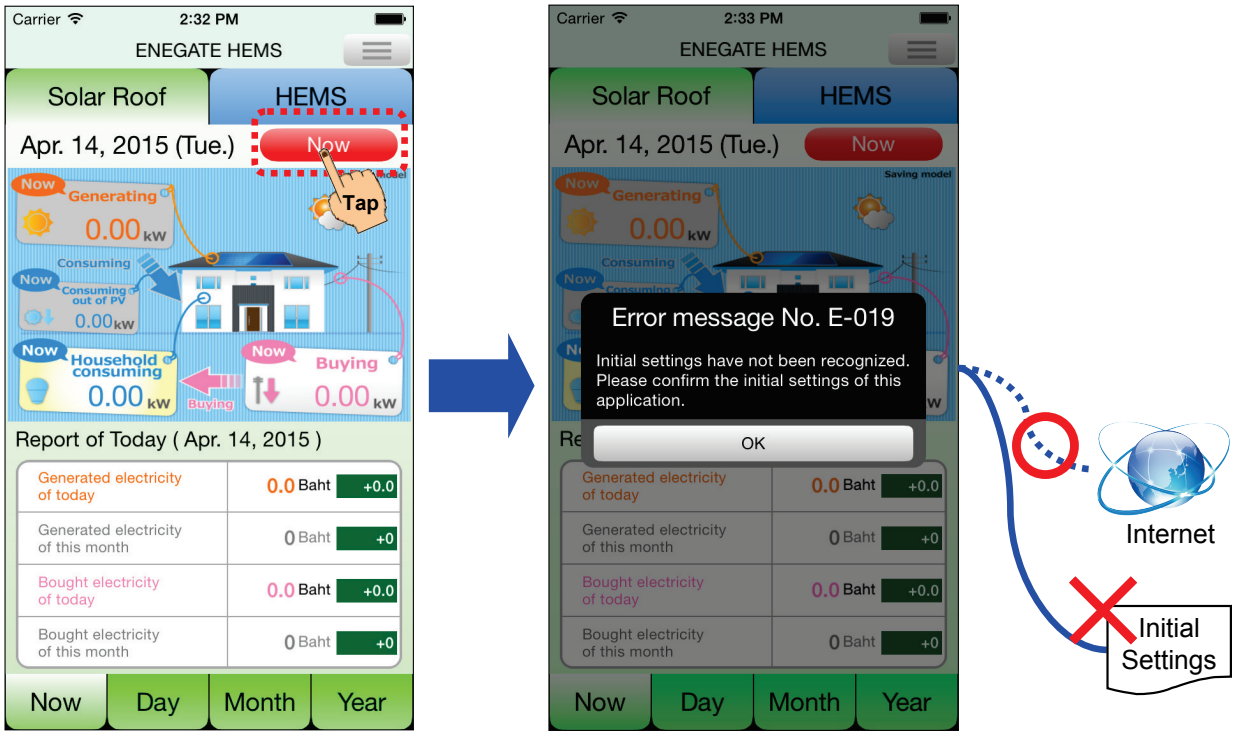
Q2. Display an error message when you push "Update" button

A2. If you push the "Update" ("Now") button on the top right side of "Solar Roof" main display, you might check the internet connection of your smart phone and confirm the initial settings of this application.

・When No. E-016 error message is displayed, you should might want to check the internet connection of your smart phone.

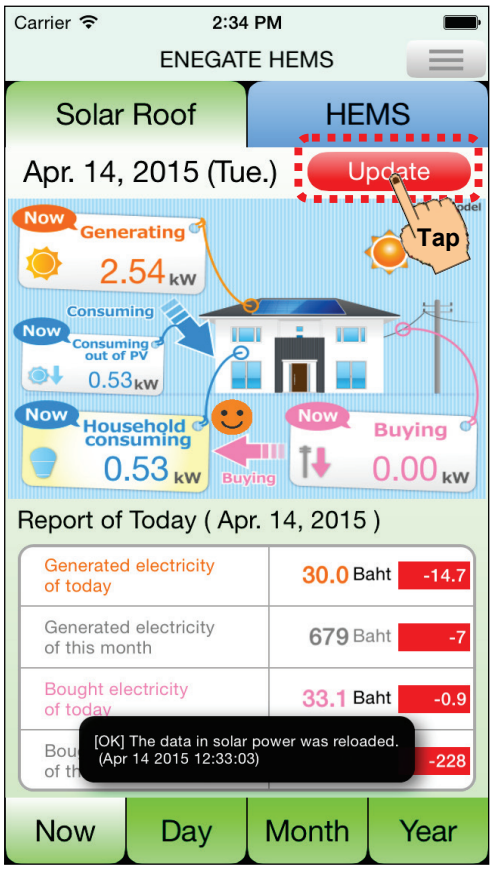


・When No. E-019 error message is displayed, you should confirm the initial settings of this application.



Q2. Display an error message when you push "Update" button

・After confirmation of the internet connection and initial settings, you push "Update" button again and check the display of this application.



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